

**Abstract**

**Fast and precise positioning of a reading and / or writing head in a data player and / or recorder**

A data player or a method in which a reading and / or writing head is positioned  
5 according to anyone of 3 methods or combinations thereof :

- Calculating a desirable speed curve to position the head from a first to a second position and adjust the speed of the head's movement to the desirable speed,
- Calculating and outputting an amount of energy to a driving mechanism to move the head a determined number of steps,
- 10 - Increasing the power applied to a driving mechanism until the head is moved for one step.

The positioning may additionally be used to perform coarse positioning while the head is positioned on a track of a data medium using a fine positioning mechanism.

FIG. 12